Beacons at work with Routes Sant Andreu

A pilot project to signalise remarkable spaces at Sant Andreu for people to discover, visit and know them

01 **Reference framework**

Why ?

The project is born of the need to signalize where are the remarkable spaces offered by the District of Sant Andreu - that we often describe as heritage - basically following 4 criteria: historical, ethical, commemorative and identitary.

To whom ?

Taking into account the needs for people with visual disabilities and thus doing an information tool accessible to both citizens and visitors.

02 **Objectives**

What ?

- Define a unified signaling model throughout the city developing a general technical manual to establish a format accessible, homogeneous, with content criteria, dimensions, situation, maintenance ...

- Signaling elements: 20x20 metal plates on the floor in front of the point of interest to signify by complementing the Information with technology provided by the beacon devices through the App Routes Sant Andreu.
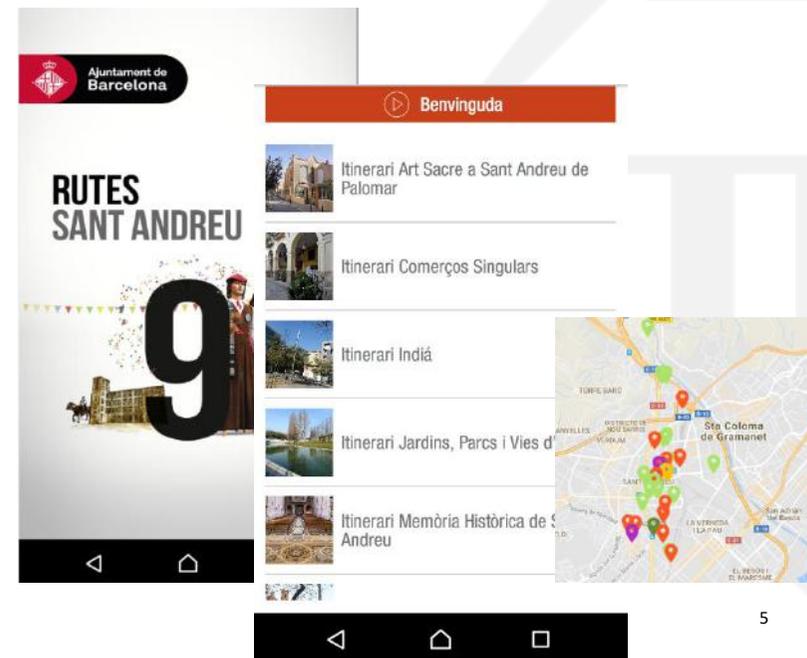
03 Description

What is a *beacon* ?

The *beacons* are small autonomous wireless devices with a long life battery that emit a short-range radio signal, with Bluetooth 4.0 technology (called Bluetooth Low Energy -BLE-) to connect with other devices. Like, for example, smartphones.

Each beacon works stand alone and has a unique signal, that makes possible to generate a network that uses several devices to generate different interactions.

What is Routes Sant Andreu ?

It is an App with geolocalised walks to discover the district of Sant Andreu through its landscape, heritage and culture. Includes detailed descriptions, offline maps and augmented reality.
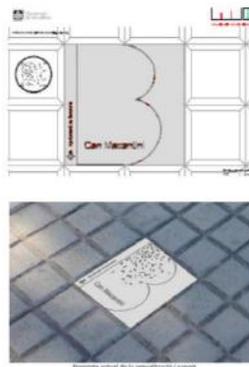
03 **Description**
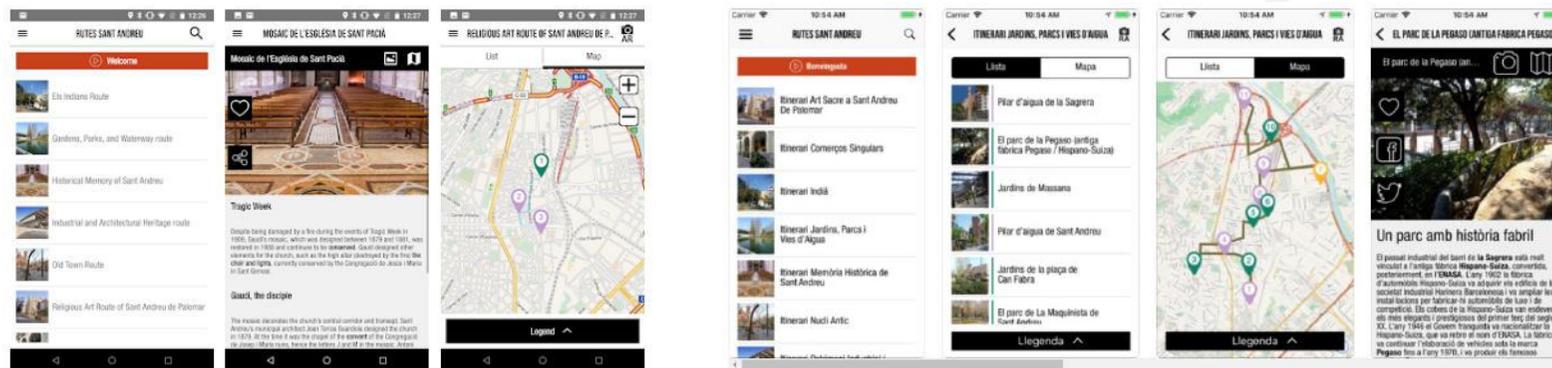
Beacon and APP working together

The new system, which is a pilot test, allows people who pass these points of interest to receive information, videos and photos directly on their mobile phone, working as a tourist guide would do. When a user passes on the side of the beacon with the bluetooth of his smartphone enabled and the APP installed, a notification is pushed to his device with a deep link to the point of interest into the APP.

04 **Results**

On 11th July Sant Andreu launches this new technological system to publicize the points of interest of the district

This first pilot tests the mechanism on 68 points of interest, spaces of different styles and eras, which symbolize the memory of the district.

See list in PDF

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05 **Next steps**

Test yourself Routes Sant Andreu

ROUTES IN SANT ANDREU

Google Play

App Store

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App with geolocalised walks to discover the district of Sant Andreu through its landscape, heritage and culture. Includes detailed descriptions, offline maps and augmented reality.

Free

Compatible with:
• iOs 10.0 and higher.
• Android 4.0.3 and higher.

Languages:
Catalan, Spanish, French and English.
Useful links:
▭ Discover the district of Sant Andreu
▭ Themed tours of Barcelona
✦ Open Data

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